L Number	Hits	Search Text	DB	Time stamp
1	4340	((514/229.2,230.5,248,252.17,253.04,253.06,253.07).CCLS.) ((544/105,235,283,362,363).CCLS.)	USPAT; US-PGPUB	2004/07/08 11:49
2	30	(((514/229.2,230.5,248,252.17,253.04,253.06,253.07).CCLS.) ((544/105,235,283,362,363).CCLS.)) AND $methoxyquinolin$ AND bacter$	USPAT; US-PGPUB	2004/07/08 11:50

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	May 12	EXTEND option available in structure searching
NEWS	4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS	6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS	7	Jun 22	STN Patent Forums to be held July 19-22, 2004
NEWS	8	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS	9	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:57:47 ON 08 JUL 2004

=> file reg
FILE 'REGISTRY' ENTERED AT 12:57:56 ON 08 JUL 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JUL 2004 HIGHEST RN 705925-25-3
DICTIONARY FILE UPDATES: 7 JUL 2004 HIGHEST RN 705925-25-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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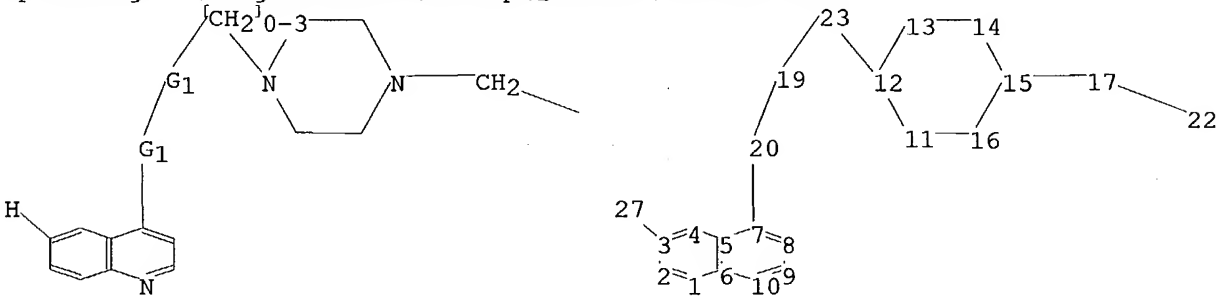

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17 27
ring nodes :
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ring/chain nodes :
19 20 22 23
chain bonds :
3-27 15-17 17-22
ring/chain bonds :
7-20 12-23 19-20 19-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14 14-15 15-16
exact/norm bonds :
7-20 11-12 11-16 12-13 12-23 13-14 14-15 15-16 19-20 19-23
exact bonds :
3-27 15-17 17-22
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10
isolated ring systems :
containing 1 :

G1:C,O,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:Atom 20:Atom
22:Atom 23:CLASS 27:CLASS

L1 STRUCTURE UPLOADED

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100.0% PROCESSED 152219 ITERATIONS 350 ANSWERS
SEARCH TIME: 00.00.01

L2 350 SEA SSS FUL L1

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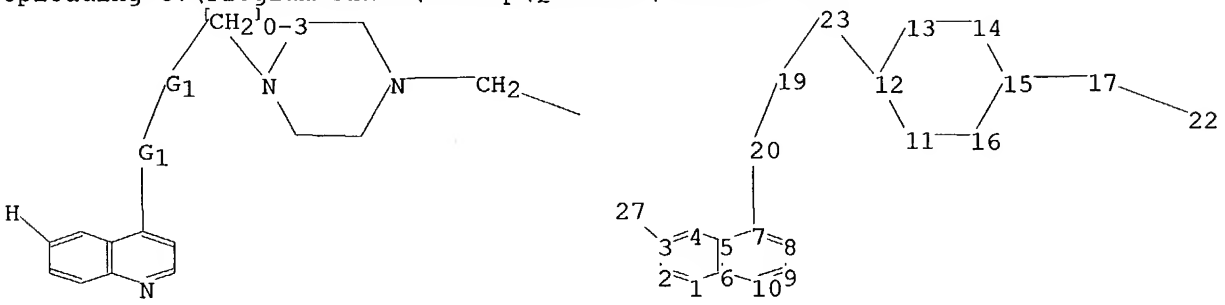

chain nodes :
17 27
ring nodes :
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ring/chain nodes :
19 20 22 23
chain bonds :
3-27 15-17 17-22
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7-20 12-23 19-20 19-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14
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exact bonds :
3-27 15-17 17-22
normalized bonds :
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isolated ring systems :
containing 1 :

G1:C,O,N

Match level :
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100.0% PROCESSED     339 ITERATIONS                          235 ANSWERS
SEARCH TIME: 00.00.01

L4          235 SEA SUB=L2 SSS FUL L3

=> s l2 not l4
L5         115 L2 NOT L4

=> file caold caplus
FILE 'CAOLD' ENTERED AT 12:59:54 ON 08 JUL 2004
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FILE 'CAPLUS' ENTERED AT 12:59:54 ON 08 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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=> s l6 not wo20000078748?/pn
L7          20 L6 NOT WO20000078748?/PN

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SORT ENTIRE ANSWER SET? (Y)/N:.
             3 ANSWERS DID NOT HAVE 'PY' SORT FIELD
PROCESSING COMPLETED FOR L7
L8           20 SORT L7 PY

=> d 1-20 cbib pi hitstr

L8   ANSWER 1 OF 20  CAPLUS  COPYRIGHT 2004 ACS on STN
1964:425479   Document No. 61:25479  Original Reference No.
     61:4380h,4381a-h,4382a-b  1,4-Bis(4-quinolylaminoalkyl)piperazines.
     (Rhone-Poulenc SA). BE 626239 19630618, 31 pp.  (Unavailable).  PRIORITY:
     FR 19611229.
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   BE 626239                19630618       BE
     DE 1196202                             DE
     FR AD82307                             FR
     GB 986350                              GB
IT   103306-38-3, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneim
     ino)]bis[6-chloro- 105255-10-5, Quinaldine, 4,4'-[1,4-
     piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido-
     105312-13-8, Quinoline, 4,4'-[1,4-piperazinediylbis[(1-
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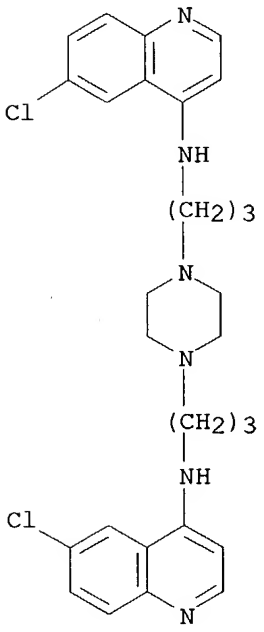
methyltetramethylene)imino]]bis[6-methoxy- **105768-39-6**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- **106884-60-0**, Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)(acetylimino)]]bis[6-methoxy-, dimaleate
(preparation of)

RN 103306-38-3 CAPLUS
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- (7CI) (CA INDEX NAME)



RN 105255-10-5 CAPLUS
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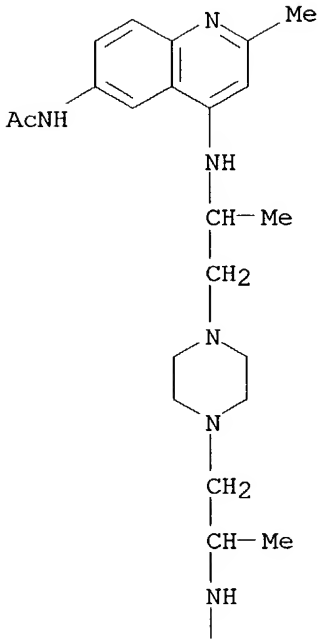
PAGE 1-A



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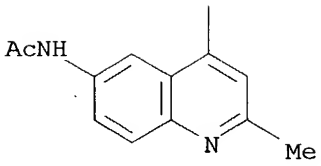

RN 105312-13-8 CAPLUS
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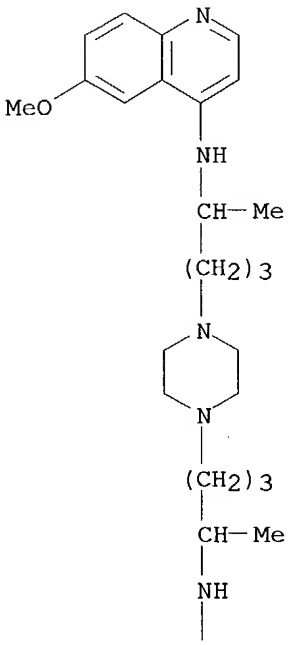
PAGE 1-A



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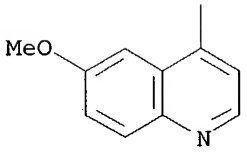
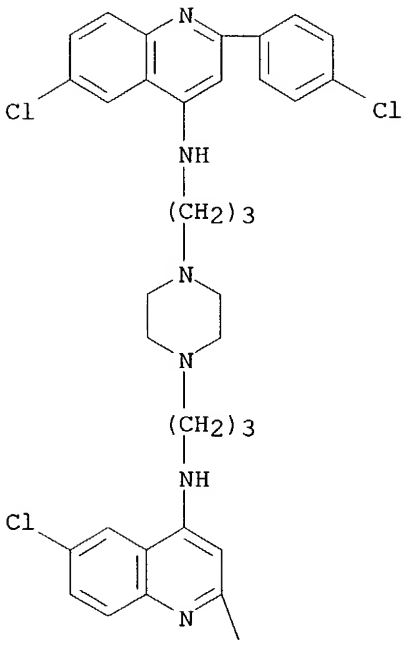


RN 105768-39-6 CAPLUS
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- (7CI) (CA INDEX NAME)

PAGE 1-A



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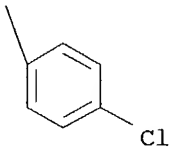

RN 106884-60-0 CAPLUS
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)(acetylimino)]]bis[6-methoxy-, dimaleate (7CI) (CA INDEX NAME)

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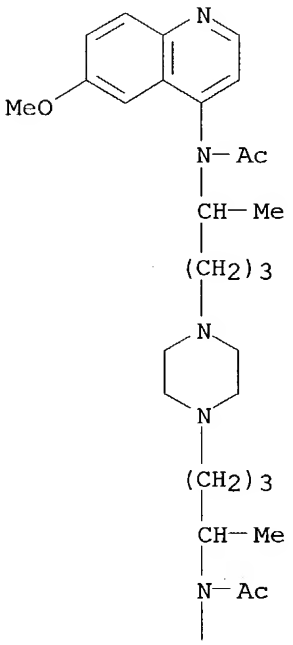
CRN 106884-59-7
CMF C38 H50 N6 O4

PAGE 1-A



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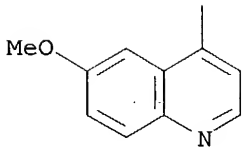
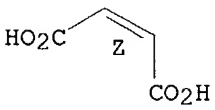


CM 2

CRN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



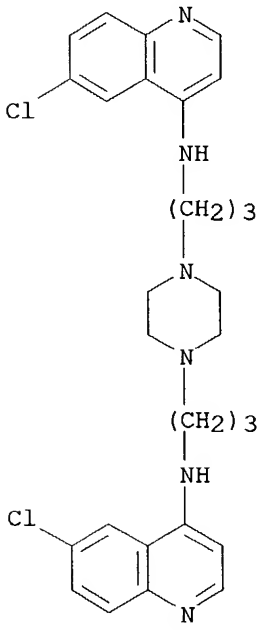
L8 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
1964:16840 Document No. 60:16840 Original Reference No. 60:2970a-g 1,4-Bis [(4-quinolylamino)alkyl] piperazines. (Rhone-Poulenc SA). FR CAM42 19631007, 8 pp.; Addn. to Fr. M 1695. (Unavailable). APPLICATION: FR 19620328.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR CAM42		19631007	FR	19620328

IT **103306-38-3**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- **105255-10-5**, Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- **105312-13-8**, Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- **105768-39-6**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- **106460-39-3**, Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-methoxy-
(preparation of)

RN 103306-38-3 CAPLUS

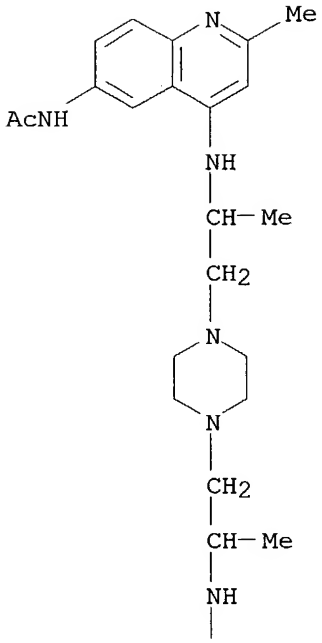
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- (7CI) (CA INDEX NAME)



RN 105255-10-5 CAPLUS

CN Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- (7CI) (CA INDEX NAME)

PAGE 1-A



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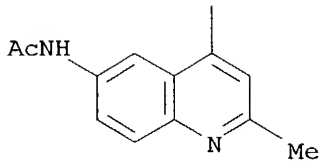
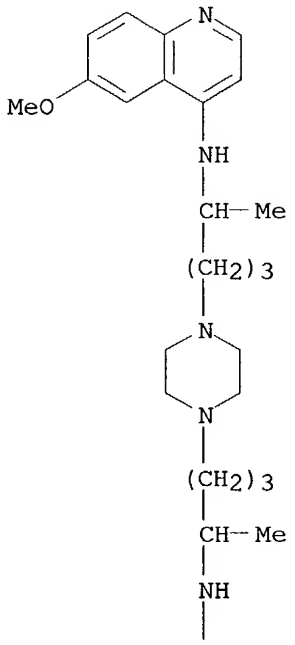


RN 105312-13-8 CAPLUS
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- (7CI) (CA INDEX NAME)

PAGE 1-A



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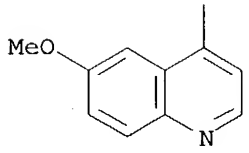
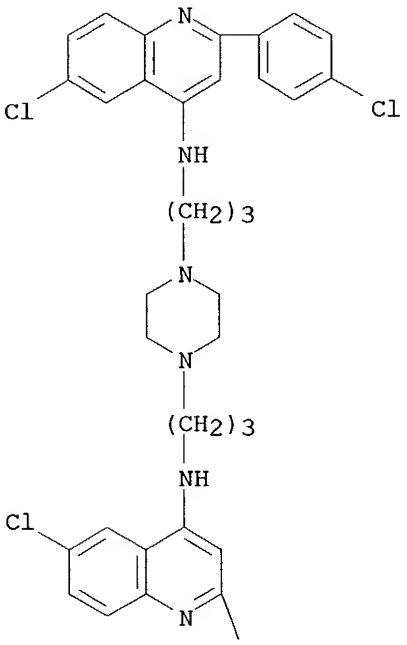


RN 105768-39-6 CAPLUS
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- (7CI) (CA INDEX NAME)

PAGE 1-A



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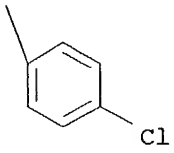

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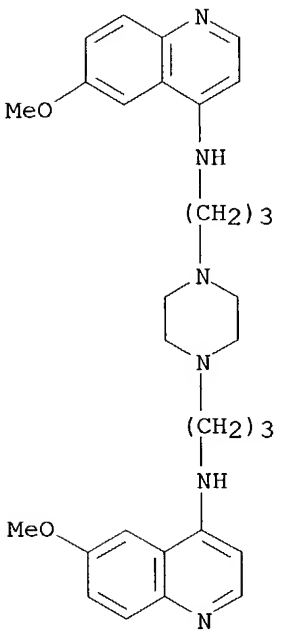
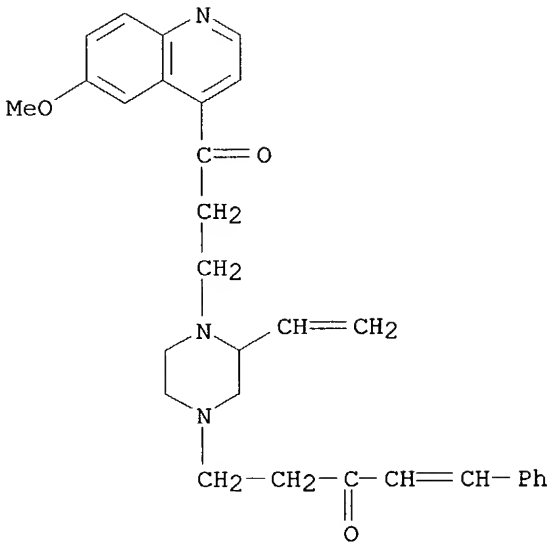
(7CI) (CA INDEX NAME)



L8 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
1974:14856 Document No. 80:14856 1-(6-Methoxy-4-quinolyl)-3-(3-vinyl-4-piperidyl)-1-propanones. Hannart, Jean A.; Quevauviller, Andre J.; Sarrazin, Ginette (Omnium Chimique). Ger. Offen. DE 2315148 19731018, 14 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1973-2315148 19730327.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2315148	A1	19731018	DE 1973-2315148	19730327
	FR 2177511	A1	19731109	FR 1972-10816	19720328

IT **53079-10-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 53079-10-0 CAPLUS
CN 1-Penten-3-one, 5-[3-ethenyl-4-[3-(6-methoxy-4-quinolinyl)-3-oxopropyl]-1-piperazinyl]-1-phenyl- (9CI) (CA INDEX NAME)



L8 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
1999:27676 Document No. 130:81422 Quinoline-indole antimicrobial agents. Kumaravel, Gnanasambandam; Hoemann, Michael Z.; Melikian-Badalian, Anita; Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Rossi, Richard F. (Sepracor, Inc., USA). PCT Int. Appl. WO 9857931 A2 19981223, 146 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, BM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1998-US12762 19980618. PRIORITY: US 1997-878781 19970619; US 1998-45051 19980319.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 9857931	A3	19990429		
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	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
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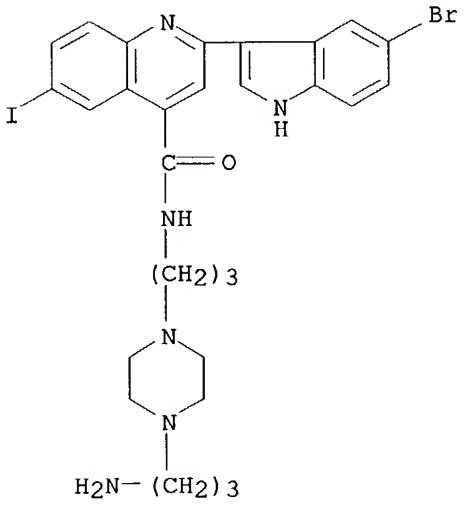
	AU 757059	B2	20030130	AU 1998-79797	19980618
	NO 9906269	A	20000216	NO 1999-6269	19991217

IT **218463-57-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylquinoline bactericides)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

1999:9834 Document No. 130:81421 Preparation of indolyl(iso)quinolines as bactericides. Kumaravel, Gnanasambandam; Hoemann, Michael Z.; Melikian-Badalian, Anita; Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Rossi, Richard F. (Sepracor Inc., USA). PCT Int. Appl. WO 9857952 A1 19981223, 138 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1998-US12706 19980618. PRIORITY: US 1997-878781 19970619.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9857952	A1	19981223	WO 1998-US12706	19980618
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9882586	A1	19990104	AU 1998-82586	19980618

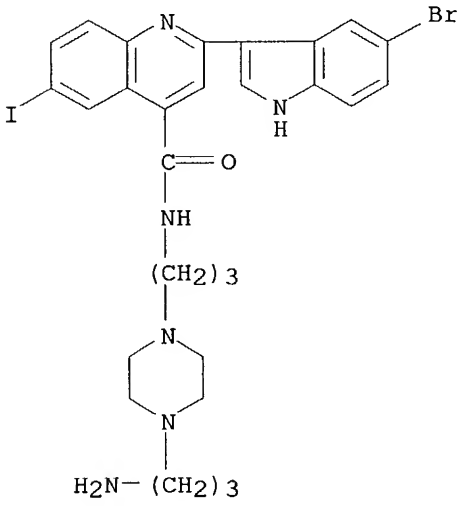
IT **218463-57-1P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolyl(iso)quinolines as bactericides)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

2000:568542 Document No. 133:150464 Preparation of quinolinylindole derivatives and compositions in use as antimicrobial agents. Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-Badalian, Anita; Rossi, Richard F.; Xie, Roger L. (Sepracor, Inc., USA). U.S. US 6103905 A 20000815, 228 pp., Cont.-in-part of U.S. Ser. No. 99,640. (English). CODEN: USXXAM. APPLICATION: US 1998-213385 19981211. PRIORITY: US 1997-878781 19970619; US 1998-45051 19980319; US 1998-99640 19980618.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6103905	A	20000815	US 1998-213385	19981211
US 6207679	B1	20010327	US 1998-45051	19980319
US 6172084	B1	20010109	US 1998-99640	19980618
WO 2000034265	A2	20000615	WO 1999-US28744	19991203
WO 2000034265	A3	20021003		

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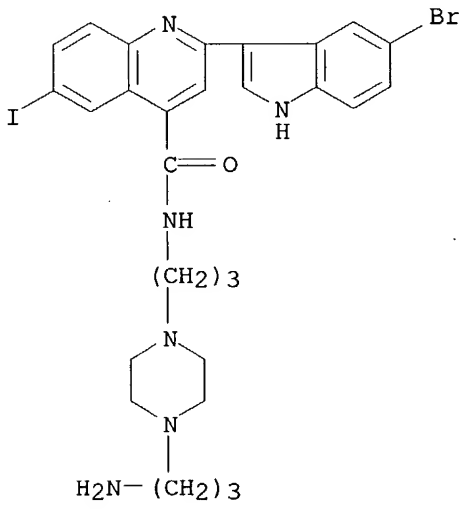
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6376670	B1	20020423	US 2000-658690	20000908

IT **218463-57-1P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of quinolinylindole derivs. as antimicrobial agents)
RN 218463-57-1 CAPLUS
CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2000:401813 Document No. 133:43453 Preparation of 2-(3-indolyl)quinolines as antibacterial agents. Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-Badalian, Anita; Rossi, Richard F.; Xie, Roger L. (Sepracor, Inc., USA). PCT Int. Appl. WO 2000034265 A2 20000615, 155 pp. DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2.
APPLICATION: WO 1999-US28744 19991203. PRIORITY: US 1998-213385 19981211.

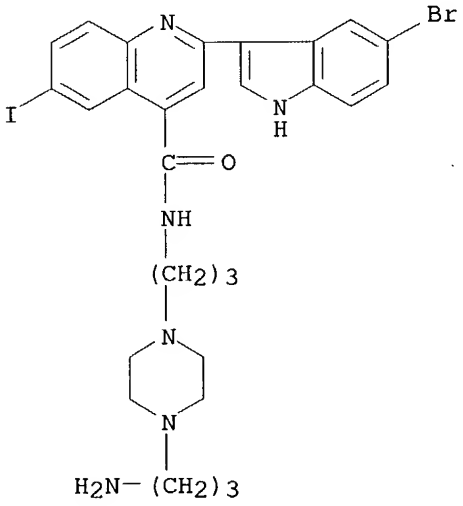
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000034265	A2	20000615	WO 1999-US28744	19991203
WO 2000034265	A3	20021003		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6103905	A	20000815	US 1998-213385	19981211

IT **218463-57-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-(3-indolyl)quinolines as antibacterial agents)

RN 218463-57-1 CAPLUS

CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

2000:84770 Document No. 132:137408 Preparation of N,N'-substituted-piperazine derivatives. Yamamoto, Noboru; Komatsu, Makoto; Suzuki, Yuichi; Kawano, Koki; Kimura, Teiji; Ito, Koichi; Nagato, Satoshi; Norimine, Yoshihiko; Niidome, Tetsuhiro; Teramoto, Tetsuyuki; Iimura, Yoichi; Hatakeyama, Shinji (Eisai Co., Ltd., Japan; et al.). PCT Int. Appl. WO 2000005210 A1 20000203, 209 pp. DESIGNATED STATES: W: AU, BR, CA, CN, HU, KR, MX, NO, NZ, RU, US, ZA; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (Japanese). CODEN: PIXXD2. APPLICATION: WO 1999-JP3900 19990721. PRIORITY: JP 1998-205709 19980721; JP 1998-280103 19981001.

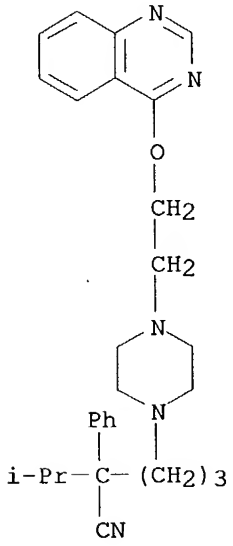
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005210	A1	20000203	WO 1999-JP3900	19990721
	W: AU, BR, CA, CN, HU, KR, MX, NO, NZ, RU, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2337941	AA	20000203	CA 1999-2337941	19990721
	AU 9947980	A1	20000214	AU 1999-47980	19990721
	AU 758246	B2	20030320		
	JP 2000169462	A2	20000620	JP 1999-206862	19990721
	EP 1099692	A1	20010516	EP 1999-931461	19990721
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	NZ 509310	A	20030725	NZ 1999-509310	19990721
	NO 2001000303	A	20010321	NO 2001-303	20010118
	US 6737425	B1	20040518	US 2001-743358	20010129

IT **255847-76-8P 255848-83-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazine derivs. as drugs)

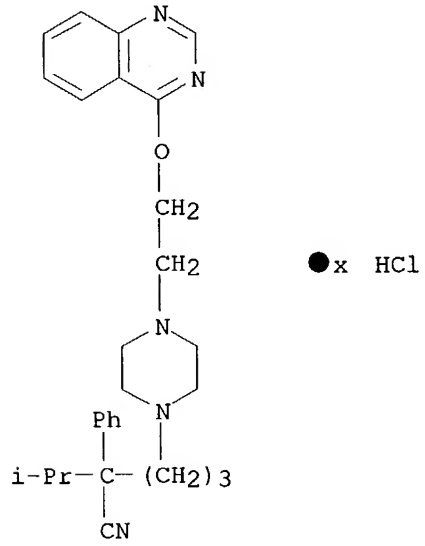
RN 255847-76-8 CAPLUS

CN 1-Piperazinepentanenitrile, α-(1-methylethyl)-α-phenyl-4-[2-(4-quinazolinyloxy)ethyl]- (9CI) (CA INDEX NAME)



RN 255848-83-0 CAPLUS

CN 1-Piperazinepentanenitrile, α-(1-methylethyl)-α-phenyl-4-[2-(4-quinazolinyloxy)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)



L8 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

2001:222008 Document No. 134:252257 Preparation of 2-(indolin-3-yl)quinoline derivatives and compositions in use as antimicrobial agents. Cuny,

Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-Badalian, Anita; Rossi, Richard F. (Sepracor, Inc., USA). U.S. US 6207679 B1 20010327, 112 pp., Cont.-in-part of U.S. Ser. No. 878,781, abandoned. (English). CODEN: USXXAM. APPLICATION: US 1998-45051 19980319. PRIORITY: US 1997-878781 19970619.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6207679	B1	20010327	US 1998-45051	19980319
	WO 9857931	A2	19981223	WO 1998-US12762	19980618
	WO 9857931	A3	19990429		
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	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	EP 991623	A2	20000412	EP 1998-930396	19980618
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 6172084	B1	20010109	US 1998-99640	19980618
	JP 2002505689	T2	20020219	JP 1999-504835	19980618
	AU 757059	B2	20030130	AU 1998-79797	19980618
	US 6103905	A	20000815	US 1998-213385	19981211
	NO 9906269	A	20000216	NO 1999-6269	19991217
	US 6376670	B1	20020423	US 2000-658690	20000908

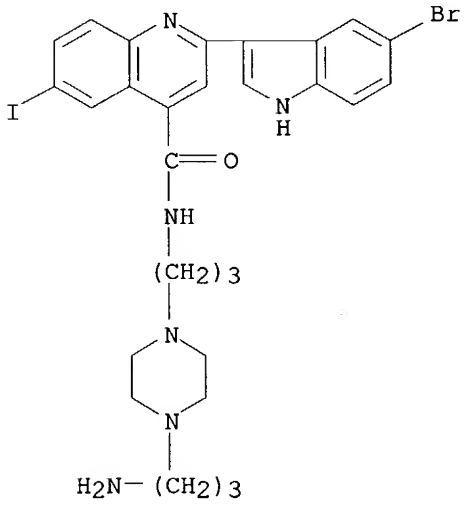
IT **218463-57-1P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and use of quinolinylindole derivs. as antimicrobial agents)

RN 218463-57-1 CAPLUS

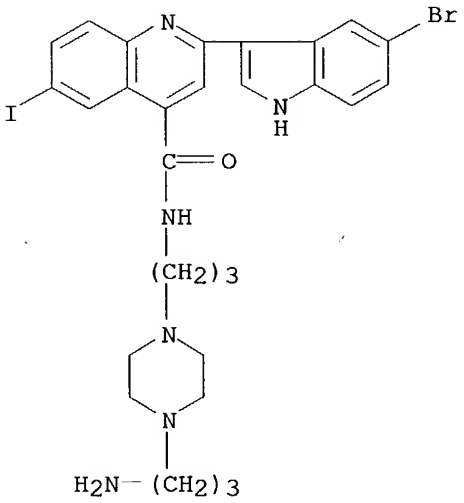
CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2001:25778 Document No. 134:86170 Quinoline-indole antimicrobial agents. Cuny, Gregory D.; Hauske, James R.; Heefner, Donald L.; Hoemann, Michael Z.; Kumaravel, Gnanasambandam; Melikian-badalian, Anita; Rossi, Richard F. (Sepracor, Inc., USA). U.S. US 6172084 B1 20010109, 151 pp., Cont.-in-part of U.S. Ser. No. 45,051. (English). CODEN: USXXAM. APPLICATION: US 1998-99640 19980618. PRIORITY: US 1997-878781 19970619; US 1998-45051 19980319.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6172084	B1	20010109	US 1998-99640	19980618
US 6207679	B1	20010327	US 1998-45051	19980319
US 6103905	A	20000815	US 1998-213385	19981211
US 6376670	B1	20020423	US 2000-658690	20000908

IT **218463-57-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylquinoline bactericides by conventional or combinatorial methods)
RN 218463-57-1 CAPLUS
CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2002:615578 Document No. 137:154942 Preparation of novel quinazoline derivatives for preventing or treating inflammatory diseases caused by bacterial DNA. Kisanuki, Sumitsugu; Tomizawa, Hideyuki; Isobe, Yoshiaki (Japan Energy Corp., Japan). PCT Int. Appl. WO 2002062767 A1 20020815, 96 pp. DESIGNATED STATES: W: AU, CA, JP, NZ, US; RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR. (Japanese). CODEN: PIXXD2. APPLICATION: WO 2002-JP1045 20020207. PRIORITY: JP 2001-30973 20010207.

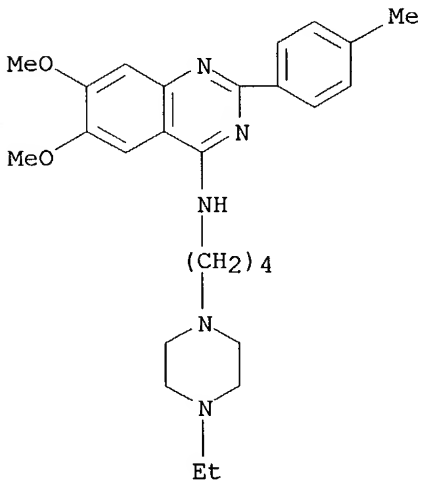
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 2002062767 A1 20020815 WO 2002-JP1045 20020207
W: AU, CA, JP, NZ, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR

IT **445402-07-3P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel quinazoline derivs. for preventing or treating inflammatory diseases caused by bacterial DNA)

RN 445402-07-3 CAPLUS

CN 4-Quinazolinamine, N-[4-(4-ethyl-1-piperazinyl)butyl]-6,7-dimethoxy-2-(4-methylphenyl)- (9CI) (CA INDEX NAME)



L8 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

2002:487552 Document No. 137:63259 Preparation of piperazines as antibacterials.. Dartois, Catherine Genevieve Yvette; Markwell, Roger Edward; Morvan, Marcel; Nadler, Guy Marguerite Marie Gerard; Pearson, Neil David (Smithkline Beecham P.L.C., UK). PCT Int. Appl. WO 2002050061 A1 20020627, 55 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5653 20011219. PRIORITY: GB 2000-31088 20001220.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002050061	A1	20020627	WO 2001-GB5653	20011219
WO 2002050061	C1	20020725		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,

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AU 2002022287	A5	20020701	AU 2002-22287	20011219
EP 1343780	A1	20030917	EP 2001-271369	20011219
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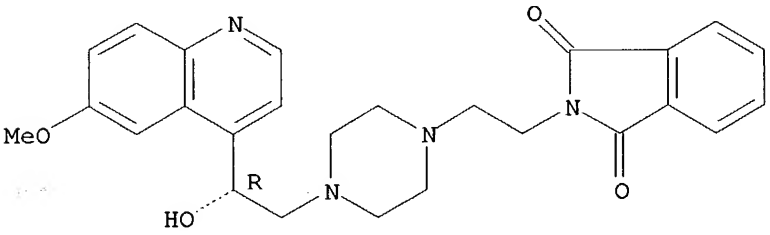
IT **439109-92-9P 439109-93-0P 439109-94-1P**
439109-95-2P 439109-96-3P 439109-97-4P
439109-98-5P 439109-99-6P 439110-00-6P
439110-01-7P 439110-02-8P 439110-03-9P
439110-04-0P 439110-19-7P 439110-20-0P
439110-21-1P 439110-22-2P 439110-23-3P
439110-24-4P 439110-25-5P 439110-26-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazines as antibacterials)

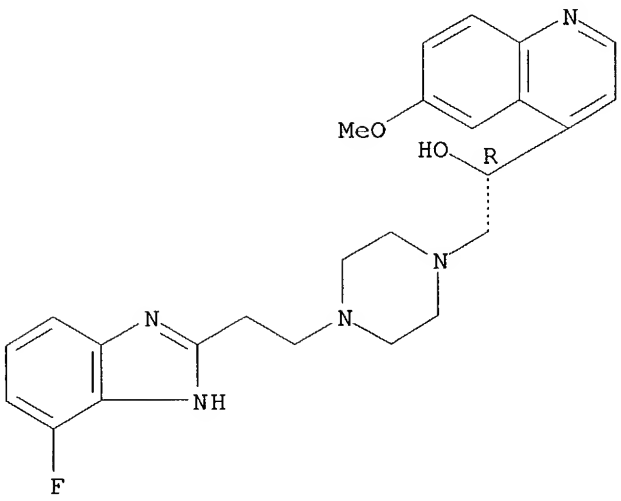
RN 439109-92-9 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

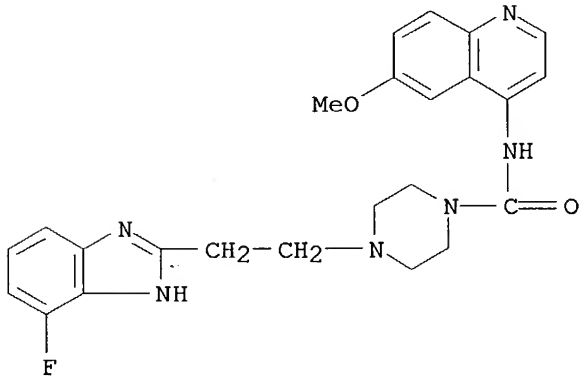


RN 439109-93-0 CAPLUS
CN 4-Quinolinemethanol, α-[[4-[2-(4-fluoro-1H-benzimidazol-2-yl)ethyl]-1-piperazinyl]methyl]-6-methoxy-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

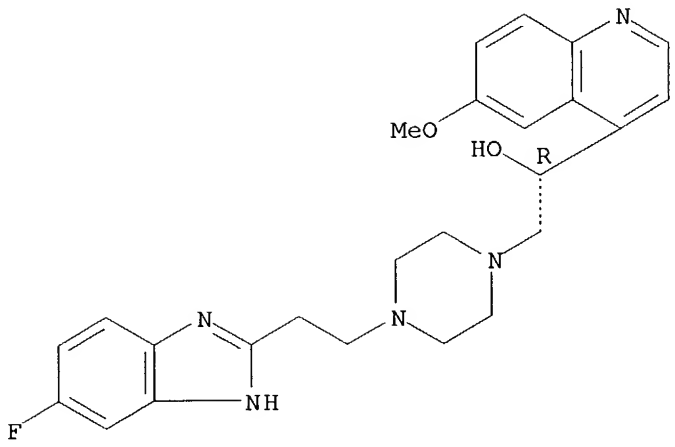


RN 439109-94-1 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(4-fluoro-1H-benzimidazol-2-yl)ethyl]-N-(6-methoxy-4-quinolinyl)- (9CI) (CA INDEX NAME)

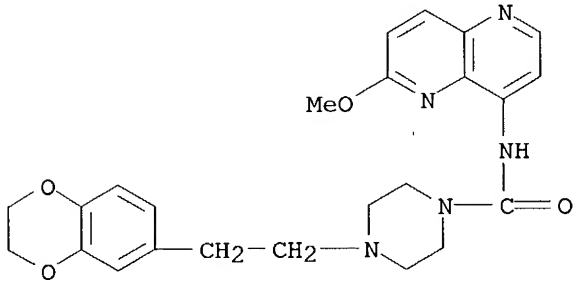


RN 439109-95-2 CAPLUS
CN 4-Quinolinemethanol, α-[[4-[2-(5-fluoro-1H-benzimidazol-2-yl)ethyl]-1-piperazinyl]methyl]-6-methoxy-, (αR)- (9CI) (CA INDEX NAME)

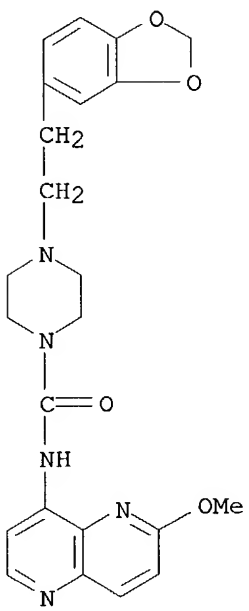
Absolute stereochemistry.



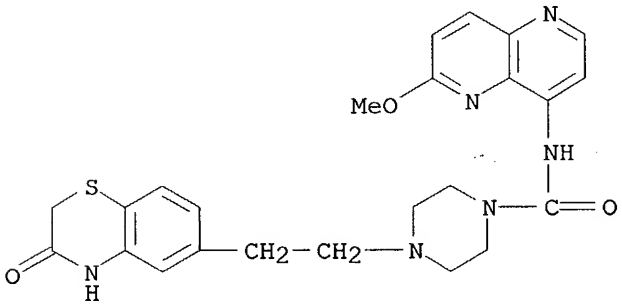
RN 439109-96-3 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)



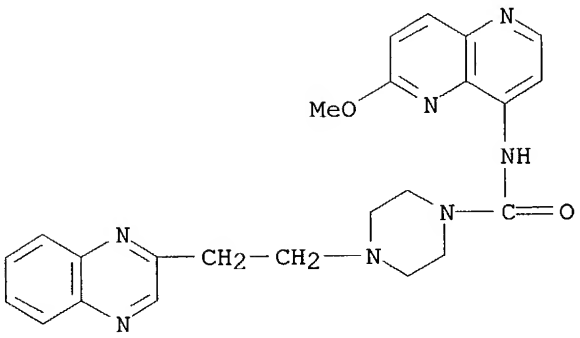
RN 439109-97-4 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(1,3-benzodioxol-5-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)



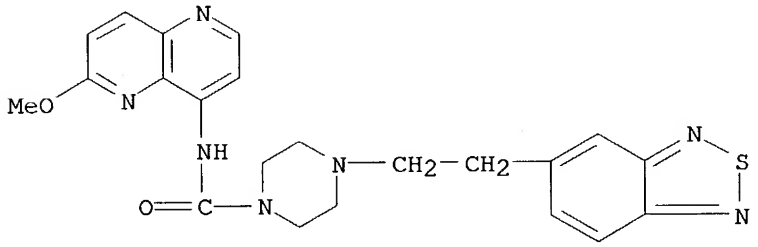
RN 439109-98-5 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(3,4-dihydro-3-oxo-2H-1,4-benzothiazin-6-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)



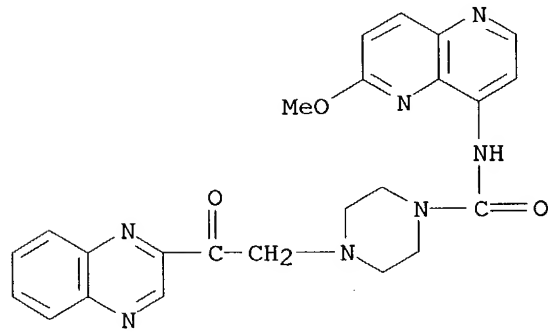
RN 439109-99-6 CAPLUS
CN 1-Piperazinecarboxamide, N-(6-methoxy-1,5-naphthyridin-4-yl)-4-[2-(2-quinoxalinyl)ethyl]- (9CI) (CA INDEX NAME)



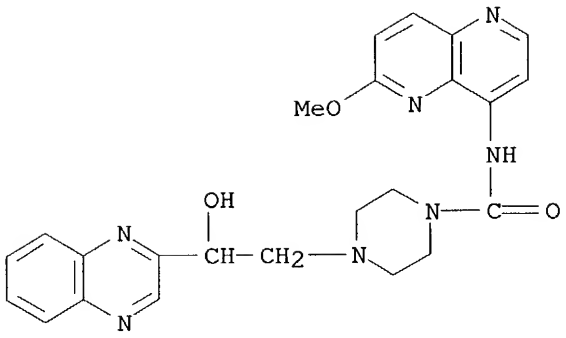
RN 439110-00-6 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(2,1,3-benzothiadiazol-5-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)



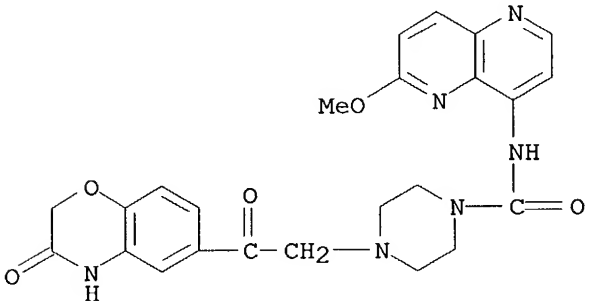
RN 439110-01-7 CAPLUS
CN 1-Piperazinecarboxamide, N-(6-methoxy-1,5-naphthyridin-4-yl)-4-[2-oxo-2-(2-quinoxalinyl)ethyl]- (9CI) (CA INDEX NAME)



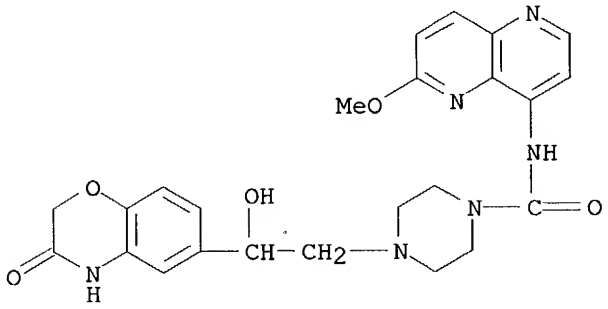
RN 439110-02-8 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-hydroxy-2-(2-quinoxalinyl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)



RN 439110-03-9 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(3,4-dihydro-3-oxo-2H-1,4-benzoxazin-6-yl)-2-oxoethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)



RN 439110-04-0 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(3,4-dihydro-3-oxo-2H-1,4-benzoxazin-6-yl)-2-hydroxyethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)- (9CI) (CA INDEX NAME)

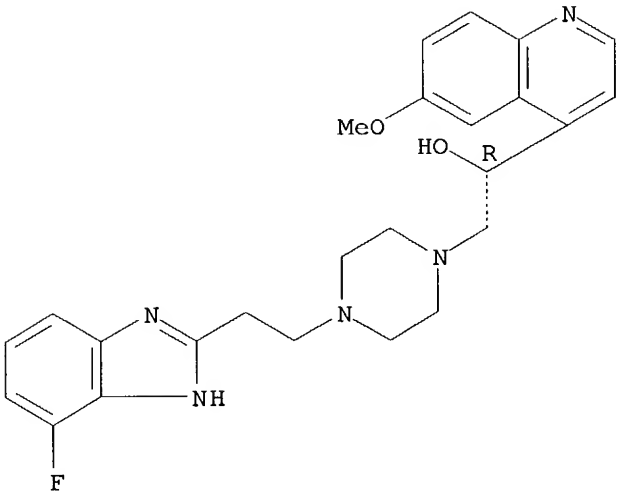


RN 439110-19-7 CAPLUS
CN 4-Quinolinemethanol, α-[[4-[2-(4-fluoro-1H-benzimidazol-2-yl)ethyl]-1-piperazinyl]methyl]-6-methoxy-, (αR)-, ethanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

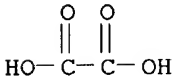
CRN 439109-93-0
CMF C25 H28 F N5 O2

Absolute stereochemistry.



CM 2

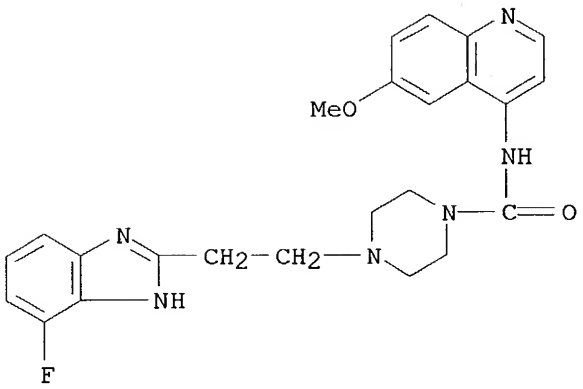
CRN 144-62-7
CMF C2 H2 O4



RN 439110-20-0 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(4-fluoro-1H-benzimidazol-2-yl)ethyl]-N-(6-methoxy-4-quinolinyl)-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

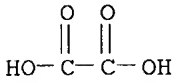
CM 1

CRN 439109-94-1
CMF C24 H25 F N6 O2



CM 2

CRN 144-62-7
CMF C2 H2 O4

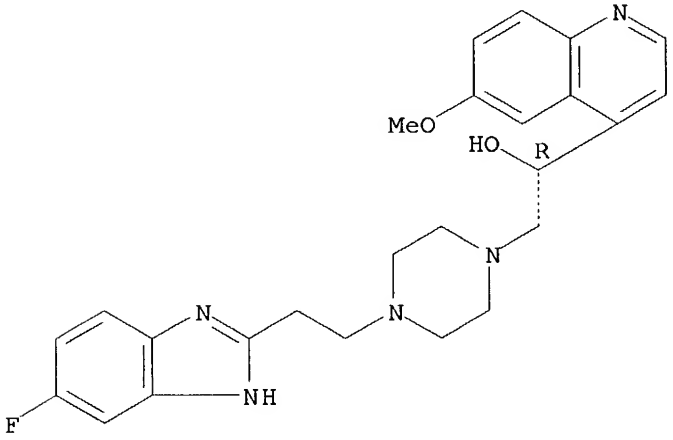


RN 439110-21-1 CAPLUS
CN 4-Quinolinemethanol, α-[[4-[2-(5-fluoro-1H-benzimidazol-2-yl)ethyl]-1-piperazinyl]methyl]-6-methoxy-, (αR)-, ethanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

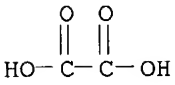
CRN 439109-95-2
CMF C25 H28 F N5 O2

Absolute stereochemistry.



CM 2

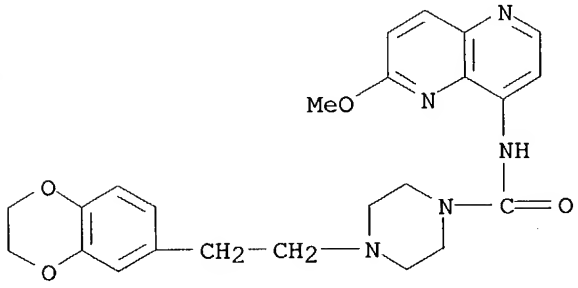
CRN 144-62-7
CMF C2 H2 O4



RN 439110-22-2 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)-, ethanedioate (1:2) (9CI) (CA INDEX NAME)

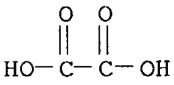
CM 1

CRN 439109-96-3
CMF C24 H27 N5 O4



CM 2

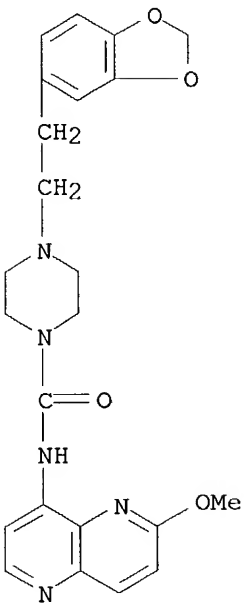
CRN 144-62-7
CMF C2 H2 O4



RN 439110-23-3 CAPLUS
CN 1-Piperazinecarboxamide, 4-[2-(1,3-benzodioxol-5-yl)ethyl]-N-(6-methoxy-1,5-naphthyridin-4-yl)-, ethanedioate (1:2) (9CI) (CA INDEX NAME)

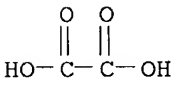
CM 1

CRN 439109-97-4
CMF C23 H25 N5 O4



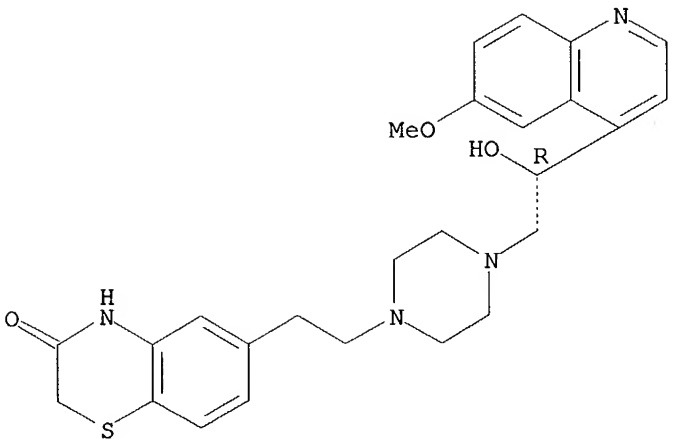
CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 439110-24-4 CAPLUS
CN 2H-1,4-Benzothiazin-3(4H)-one, 6-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

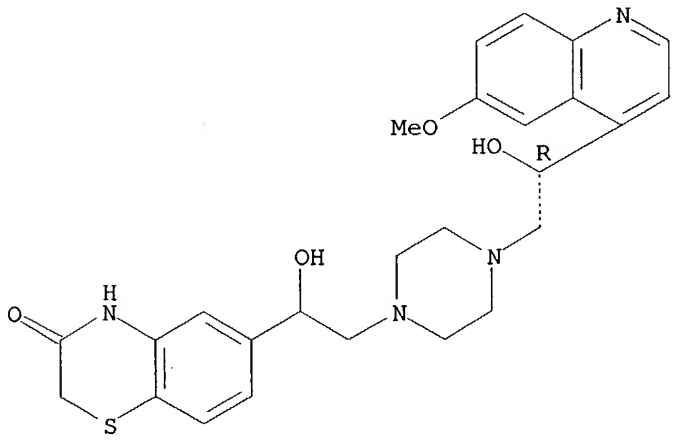
Absolute stereochemistry.



●2 HCl

RN 439110-25-5 CAPLUS
CN 2H-1,4-Benzothiazin-3(4H)-one, 6-[1-hydroxy-2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]-, trihydrochloride (9CI) (CA INDEX NAME)

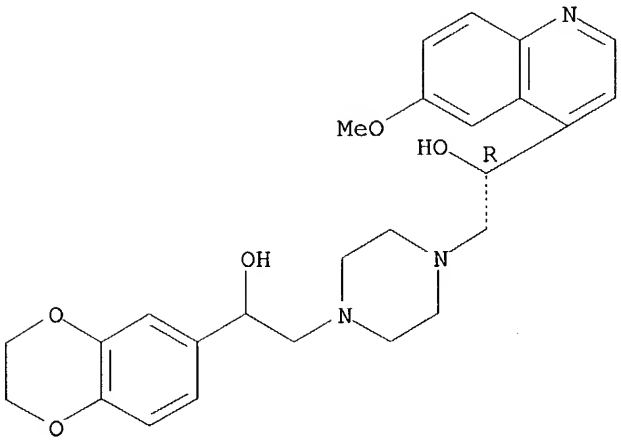
Absolute stereochemistry.



●3 HCl

RN 439110-26-6 CAPLUS
CN 1,4-Piperazinediethanol, α-(2,3-dihydro-1,4-benzodioxin-6-yl)-α'-(6-methoxy-4-quinolinyl)-, trihydrochloride, (α'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●3 HCl

L8 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2002:487533 Document No. 137:47229 Preparation of piperazinylalkylquinolines as antibacterial agents.. Markwell, Roger Edward; Pearson, Neil David; Smethurst, Christian (Smithkline Beecham PLC, UK). PCT Int. Appl. WO 2002050040 A1 20020627, 51 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-GB5661 20011219. PRIORITY: GB 2000-31086 20001220.

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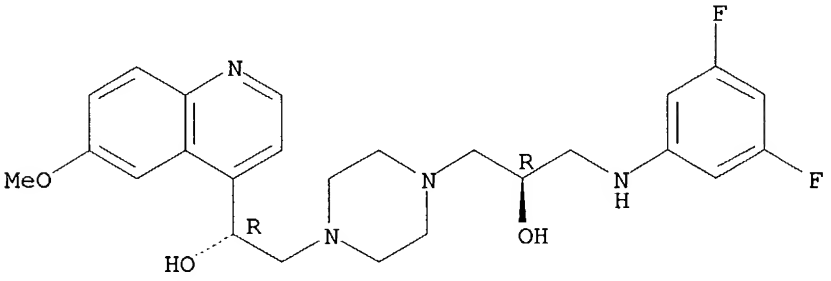
IT **438580-20-2P 438580-21-3P 438580-23-5P 438580-24-6P 438580-25-7P 438580-26-8P**

438580-27-9P 438580-28-0P 438580-30-4P
438580-31-5P 438580-32-6P 438580-33-7P
438580-35-9P 438580-44-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinylalkylquinolines as antibacterial agents)

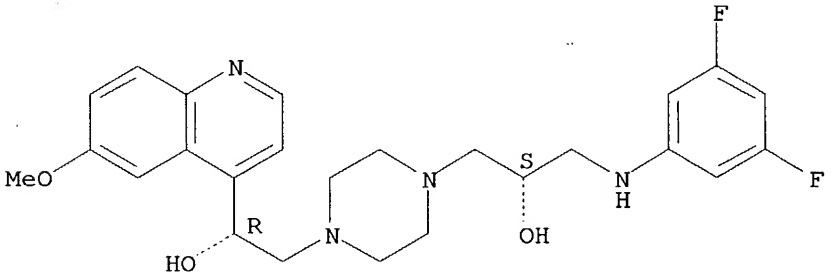
RN 438580-20-2 CAPLUS
CN 1,4-Piperazinediethanol, α-[[(3,5-difluorophenyl)amino]methyl]-α'-(6-methoxy-4-quinolinyl)-, (αR,α'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



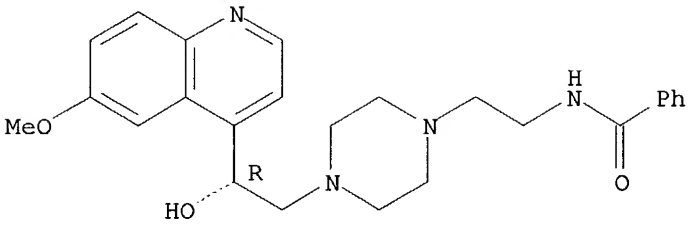
RN 438580-21-3 CAPLUS
CN 1,4-Piperazinediethanol, α-[[(3,5-difluorophenyl)amino]methyl]-α'-(6-methoxy-4-quinolinyl)-, (αS,α'R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



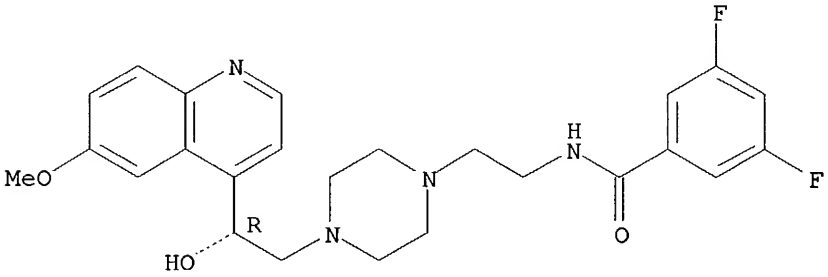
RN 438580-23-5 CAPLUS
CN Benzamide, N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



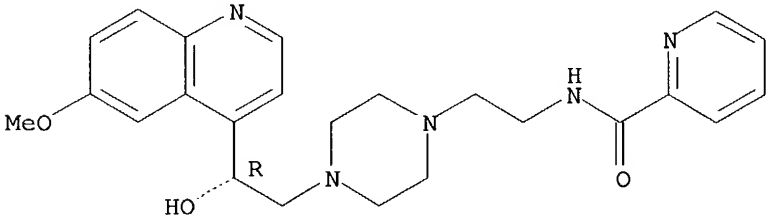
RN 438580-24-6 CAPLUS
CN Benzamide, 3,5-difluoro-N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



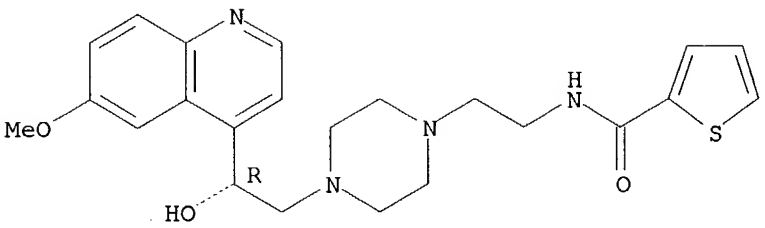
RN 438580-25-7 CAPLUS
CN 2-Pyridinecarboxamide, N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



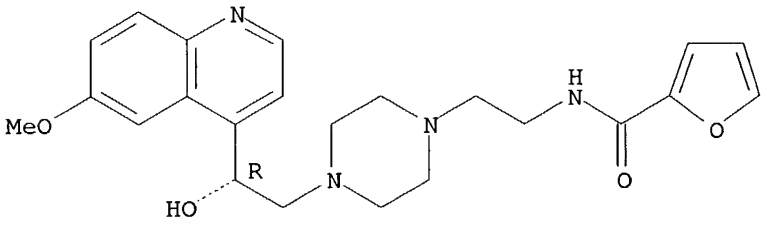
RN 438580-26-8 CAPLUS
CN 2-Thiophenecarboxamide, N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



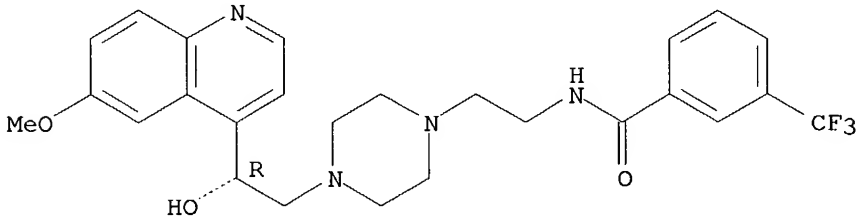
RN 438580-27-9 CAPLUS
CN 2-Furancarboxamide, N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



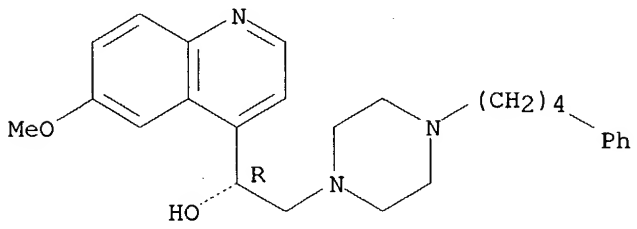
RN 438580-28-0 CAPLUS
CN Benzamide, N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



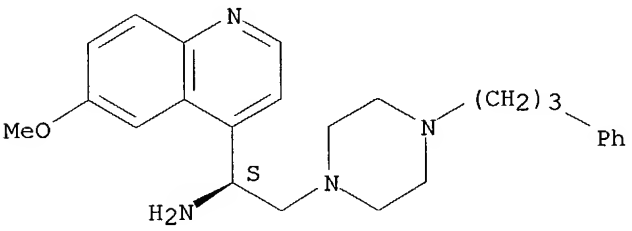
RN 438580-30-4 CAPLUS
CN 4-Quinolinemethanol, 6-methoxy-α-[[4-(4-phenylbutyl)-1-piperazinyl]methyl]-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



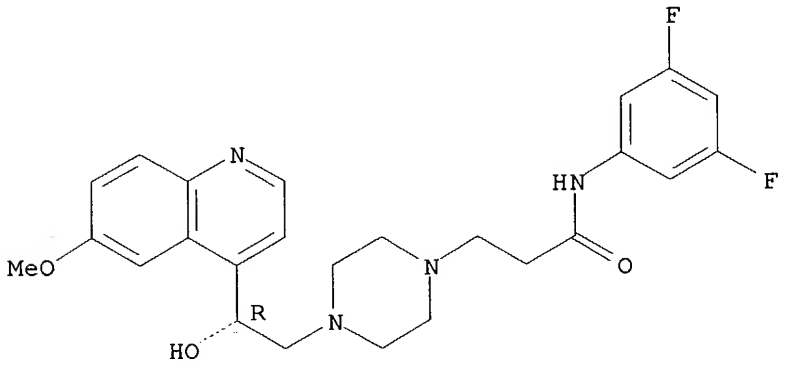
RN 438580-31-5 CAPLUS
CN 4-Quinolinemethanamine, 6-methoxy-α-[[4-(3-phenylpropyl)-1-piperazinyl]methyl]-, (αS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



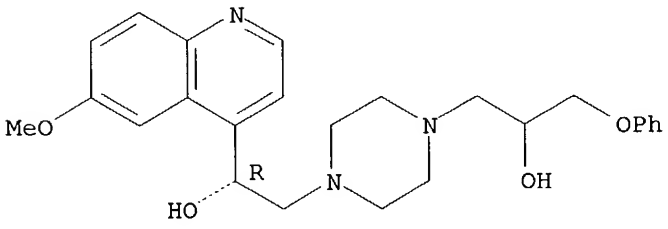
RN 438580-32-6 CAPLUS
CN 1-Piperazinepropanamide, N-(3,5-difluorophenyl)-4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



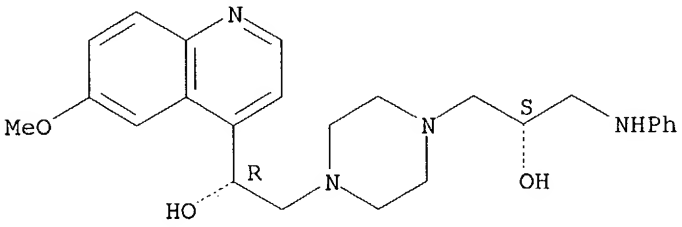
RN 438580-33-7 CAPLUS
CN 1,4-Piperazinediethanol, α-(6-methoxy-4-quinolinyl)-α'-(phenoxymethyl)-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



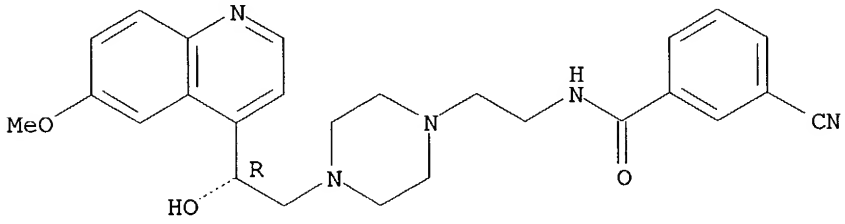
RN 438580-35-9 CAPLUS
CN 1,4-Piperazinediethanol, α-(6-methoxy-4-quinolinyl)-α'-[(phenylamino)methyl]-, (αR,α'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



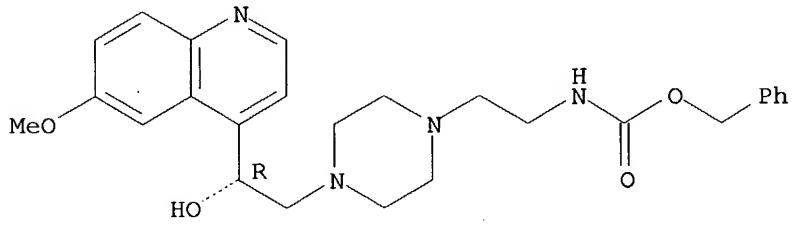
RN 438580-44-0 CAPLUS
CN Benzamide, 3-cyano-N-[2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



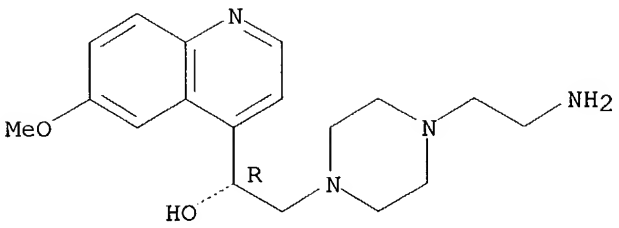
IT **438580-37-1P 438580-38-2P 438580-39-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of piperazinylalkylquinolines as antibacterial agents)
RN 438580-37-1 CAPLUS
CN Carbamic acid, [2-[4-[(2R)-2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-1-piperazinyl]ethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



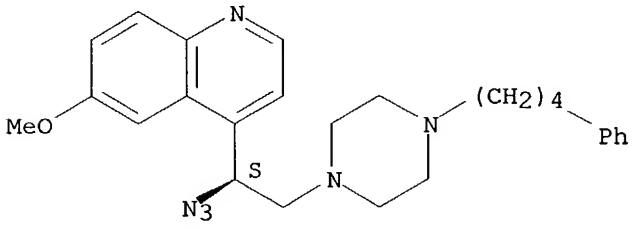
RN 438580-38-2 CAPLUS
CN 4-Quinolinemethanol, α-[[4-(2-aminoethyl)-1-piperazinyl]methyl]-6-methoxy-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 438580-39-3 CAPLUS
CN Quinoline, 4-[(1S)-1-azido-2-[4-(4-phenylbutyl)-1-piperazinyl]ethyl]-6-methoxy- (9CI) (CA INDEX NAME)

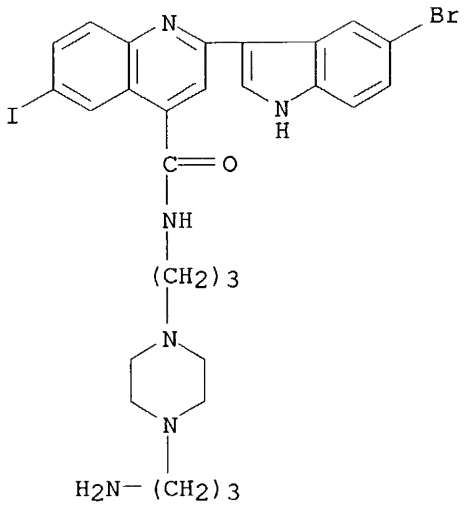
Absolute stereochemistry.



L8 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2002:312037 Document No. 136:325436 Preparation of quinolinylindoles as antimicrobial agents. Cuny, Gregory D.; Hauske, James R.; Hoemann, Michael Z.; Chopra, Ian (Sepracor Inc., USA). U.S. US 6376670 B1 20020423, 167 pp., Cont. of U.S. Ser. No. 639,622. (English). CODEN: USXXAM. APPLICATION: US 2000-658690 20000908. PRIORITY: US 1997-878781 19970619; US 1998-45051 19980319; US 1998-99640 19980618; US 1998-213385 19981211; US 2000-639622 20000815.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6376670	B1	20020423	US 2000-658690	20000908
	US 6207679	B1	20010327	US 1998-45051	19980319
	US 6172084	B1	20010109	US 1998-99640	19980618
	US 6103905	A	20000815	US 1998-213385	19981211

IT **218463-57-1P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(preparation of quinolinylindole derivs. as antimicrobial agents)
RN 218463-57-1 CAPLUS
CN 4-Quinolinecarboxamide, N-[3-[4-(3-aminopropyl)-1-piperazinyl]propyl]-2-(5-bromo-1H-indol-3-yl)-6-iodo- (9CI) (CA INDEX NAME)



L8 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2002:240745 Document No. 136:279467 Preparation of quinazolin-4-ylamines as glycoprotein IbIX antagonists.. Mederski, Werner; Devant, Ralf; Barnickel, Gerhard; Bernotat-Danielowski, Sabine; Vickers, James; Cezanne, Bertram; Dhanoa, Daljit; Zhao, Bao-Ping; Rinker, James; Player, Mark R.; Jaeger, Edward; Soll, Richard (Merck Patent G.m.b.H., Germany). PCT Int. Appl. WO 2002024666 A2 20020328, 90 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2001-EP10704 20010917. PRIORITY: US 2000-666117 20000920.

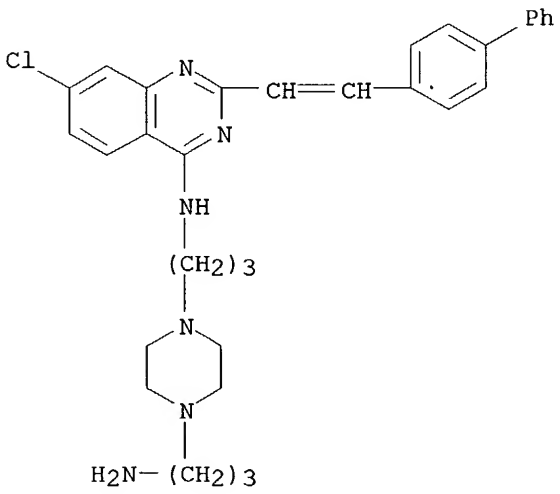
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002024666	A2	20020328	WO 2001-EP10704	20010917
	WO 2002024666	A3	20020926		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002013923	A5	20020402	AU 2002-13923	20010917
	EP 1318985	A2	20030618	EP 2001-982300	20010917
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001014021	A	20030819	BR 2001-14021	20010917
	JP 2004509875	T2	20040402	JP 2002-529076	20010917
	NO 2003001267	A	20030519	NO 2003-1267	20030319

US 2004044204 A1 20040304 US 2003-380909 20030320

IT **406206-84-6P 406206-91-5P 406207-14-5P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of quinazolin-4-ylamines as glycoprotein IbIX antagonists)

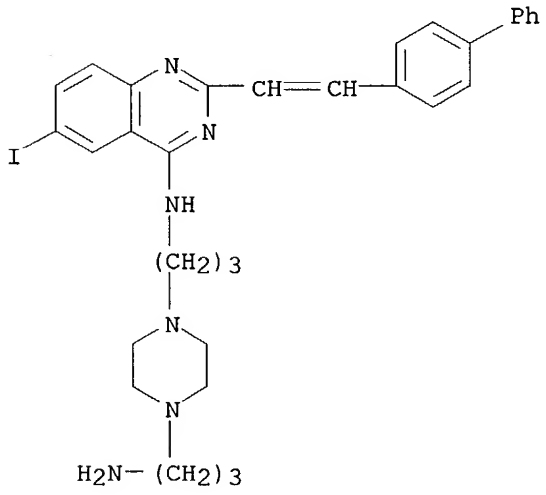
RN 406206-84-6 CAPLUS

CN 1,4-Piperazinedipropanamine, N-[2-(2-[1,1'-biphenyl]-4-ylethenyl)-7-chloro-4-quinazolinyl]- (9CI) (CA INDEX NAME)



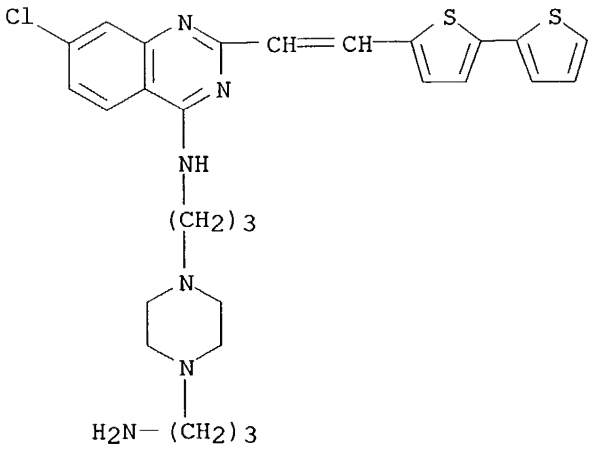
RN 406206-91-5 CAPLUS

CN 1,4-Piperazinedipropanamine, N-[2-(2-[1,1'-biphenyl]-4-ylethenyl)-6-iodo-4-quinazolinyl]- (9CI) (CA INDEX NAME)



RN 406207-14-5 CAPLUS

CN 1,4-Piperazinedipropanamine, N-[2-(2-[2,2'-bithiophen]-5-ylethenyl)-7-chloro-4-quinazolinyl]- (9CI) (CA INDEX NAME)

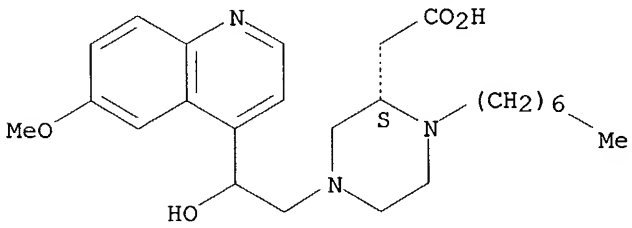


L8 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN
2003:855654 Document No. 139:333102 Topoisomerase modulating compounds and methods for the treatment of neoplastic disease. Erskine, Symon G.; Gwynn, Michael; Pearson, Neil David; Wilding, Edwina Imogen (SmithKline Beecham Corporation, USA; SmithKline Beecham P.L.C.). U.S. Pat. Appl. Publ. US 2003203917 A1 20031030, 20 pp., Division of U.S. Ser. No. 912,483. (English). CODEN: USXXCO. APPLICATION: US 2003-441435 20030520. PRIORITY: US 2001-912483 20010725.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003203917	A1	20031030	US 2003-441435	20030520

IT **314740-94-8**, SB 369890
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(topoisomerase-modulating compds. for treatment of neoplastic disease)
RN 314740-94-8 CAPLUS
CN 2-Piperazineacetic acid, 1-heptyl-4-[2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-, trihydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●3 HCl

IT **314740-90-4P**, SB 366676AY
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

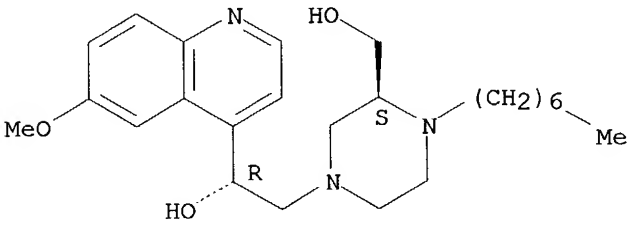
(topoisomerase-modulating compds. for treatment of neoplastic disease)

RN 314740-90-4 CAPLUS
CN 4-Quinolinemethanol, α-[[(3S)-4-heptyl-3-(hydroxymethyl)-1-piperazinyl]methyl]-6-methoxy-, (αR)-, ethanedioate (1:2) (salt) (9CI) (CA INDEX NAME)

CM 1

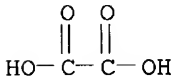
CRN 314740-89-1
CMF C24 H37 N3 O3

Absolute stereochemistry.



CM 2

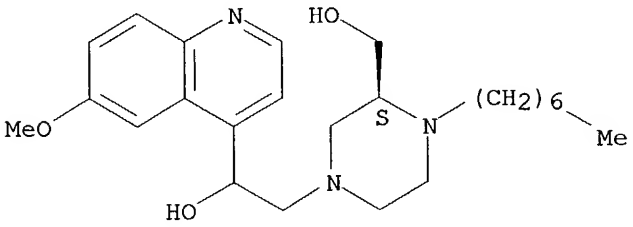
CRN 144-62-7
CMF C2 H2 O4



IT **314740-87-9P 314740-88-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(topoisomerase-modulating compds. for treatment of neoplastic disease)

RN 314740-87-9 CAPLUS
CN 4-Quinolinemethanol, α-[[(3S)-4-heptyl-3-(hydroxymethyl)-1-piperazinyl]methyl]-6-methoxy- (9CI) (CA INDEX NAME)

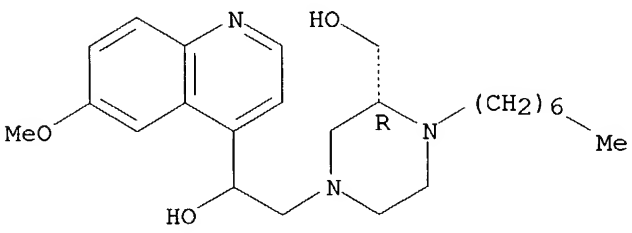
Absolute stereochemistry.



RN 314740-88-0 CAPLUS
CN 4-Quinolinemethanol, α-[[(3R)-4-heptyl-3-(hydroxymethyl)-1-

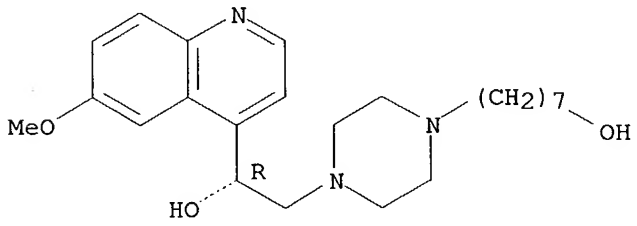
piperazinyl]methyl]-6-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



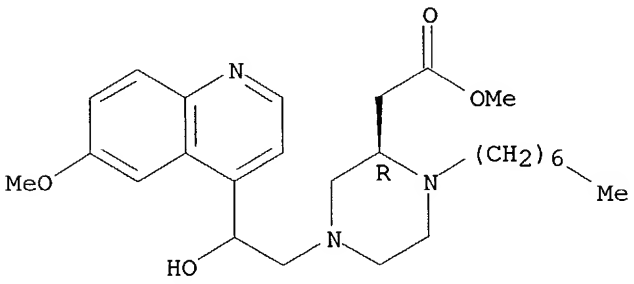
IT **617701-42-5**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(topoisomerase-modulating compds. for treatment of neoplastic disease)
RN 617701-42-5 CAPLUS
CN 4-Quinolinemethanol, α-[[4-(7-hydroxyheptyl)-1-piperazinyl]methyl]-6-methoxy-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **617701-54-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(topoisomerase-modulating compds. for treatment of neoplastic disease)
RN 617701-54-9 CAPLUS
CN 2-Piperazineacetic acid, 1-heptyl-4-[2-hydroxy-2-(6-methoxy-4-quinolinyl)ethyl]-, methyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2004 ACS on STN

2004:310971 Document No. 140:321378 Preparation of aminoquinazoline protein kinase B inhibitors as anticancer agents. Barnickel, Gerhard; Eggenweiler, Hans-Michael; Eiermann, Volker; Gericke, Rolf; Rautenberg, Wilfried; Sirrenberg, Christian; Scharm, Burkhard (Merck Patent G.m.b.H., Germany). PCT Int. Appl. WO 2004030671 A2 20040415, 96 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2003-EP9391 20030825. PRIORITY: EP 2002-22152 20021002.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004030671	A2	20040415	WO 2003-EP9391	20030825
	WO 2004030671	A3	20040610		

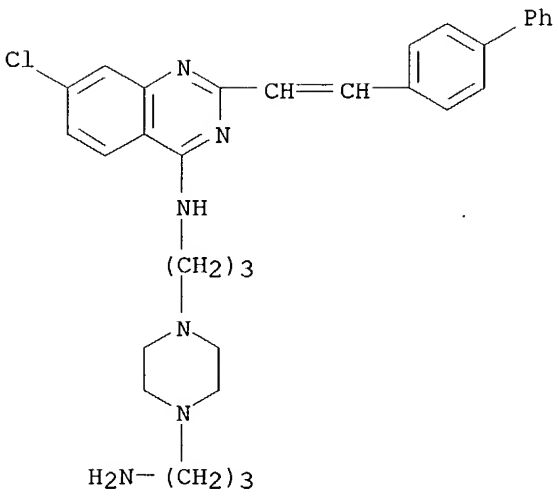
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

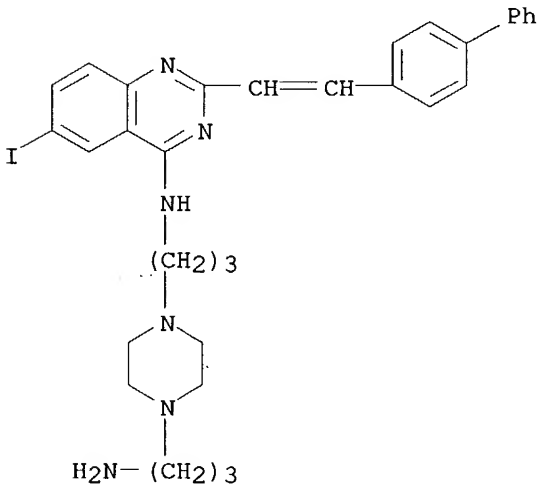
IT **406206-84-6P**, [3-[4-(3-Aminopropyl)piperazin-1-yl]propyl][2-[2-(biphenyl-4-yl)vinyl]-7-chloroquinazolin-4-yl]amine **406206-91-5P**, [3-[4-(3-Aminopropyl)piperazin-1-yl]propyl][2-[2-(biphenyl-4-yl)vinyl]-6-iodoquinazolin-4-yl]amine **406207-14-5P**, [3-[4-(3-Aminopropyl)piperazin-1-yl]propyl][2-[2-([2,2']bithien-5-yl)vinyl]-7-chloroquinazolin-4-yl]amine
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PKB inhibitor; preparation of aminoquinazoline PKB inhibitors as anticancer agents)

RN 406206-84-6 CAPLUS

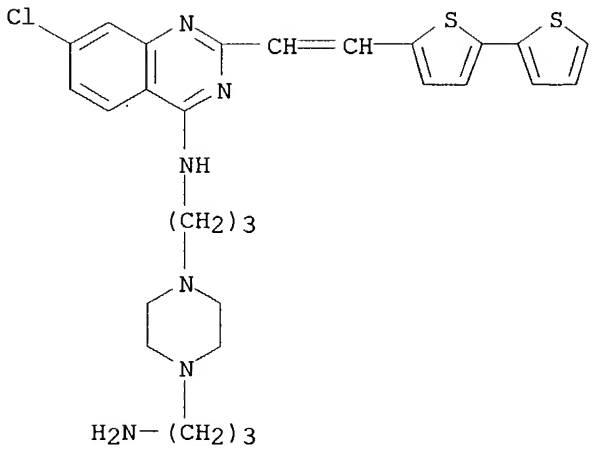
CN 1,4-Piperazinedipropanamine, N-[2-(2-[1,1'-biphenyl]-4-ylethenyl)-7-chloro-4-quinazolinyl]- (9CI) (CA INDEX NAME)



RN 406206-91-5 CAPLUS
CN 1,4-Piperazinedipropanamine, N-[2-(2-[1,1'-biphenyl]-4-ylethenyl)-6-iodo-4-quinazolinyl]- (9CI) (CA INDEX NAME)



RN 406207-14-5 CAPLUS
CN 1,4-Piperazinedipropanamine, N-[2-(2-[2,2'-bithiophen]-5-ylethenyl)-7-chloro-4-quinazolinyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 18 OF 20 CAOLD COPYRIGHT 2004 ACS on STN
CA61:14692a piperazinium gentisates. Rhone-Poulenc S. A.
IT **107386-93-6**
RN 107386-93-6 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[(6-chloro- (7CI) (CA INDEX NAME)

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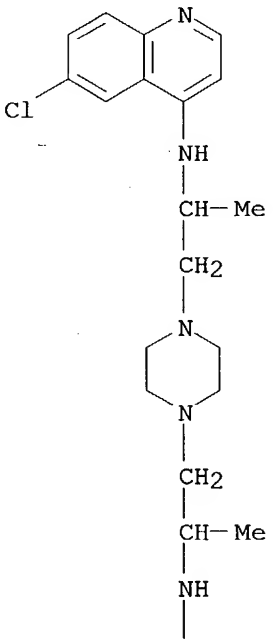

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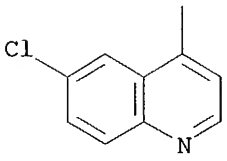
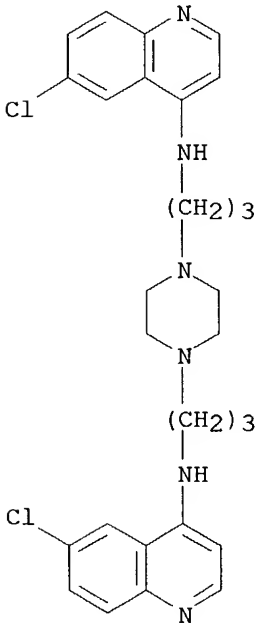


L8 ANSWER 19 OF 20 CAOLD COPYRIGHT 2004 ACS on STN
CA61:4380h 1,4-bis[(4-quinolylamino)alkyl]piperazines. Rhone-Poulenc S. A.
Patent Info.: BE 626239; DE 1196202; FR AD82307; GB 986350

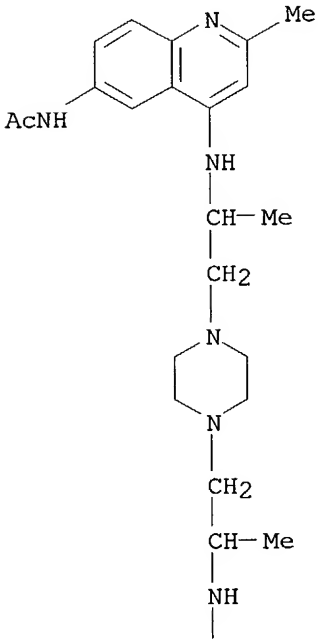
PATENT NO.	KIND	DATE
PI BE 626239		
DE 1196202		
FR AD82307		
GB 986350		

IT **103306-38-3 105255-10-5 105312-13-8**
106460-39-3 106884-60-0 107386-93-6
RN 103306-38-3 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro- (7CI) (CA INDEX NAME)



RN 105255-10-5 CAOLD
CN Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- (7CI) (CA INDEX NAME)

PAGE 1-A



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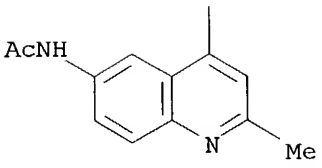

RN 105312-13-8 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- (7CI) (CA INDEX NAME)

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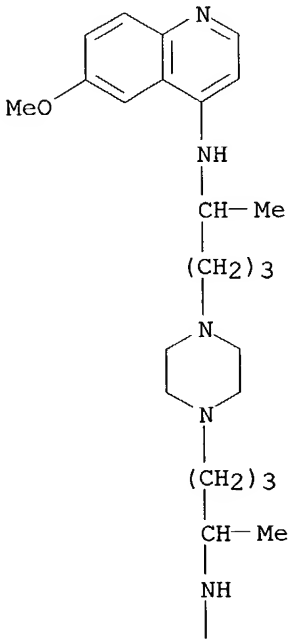

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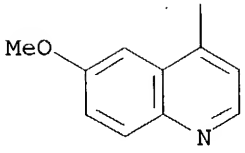
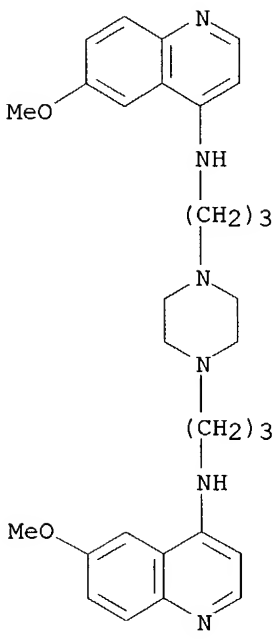


RN 106460-39-3 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-methoxy-
(7CI) (CA INDEX NAME)



RN 106884-60-0 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)(acetylimino)]]bis[6-methoxy-, dimaleate (7CI) (CA INDEX NAME)

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CRN 106884-59-7
CMF C38 H50 N6 O4

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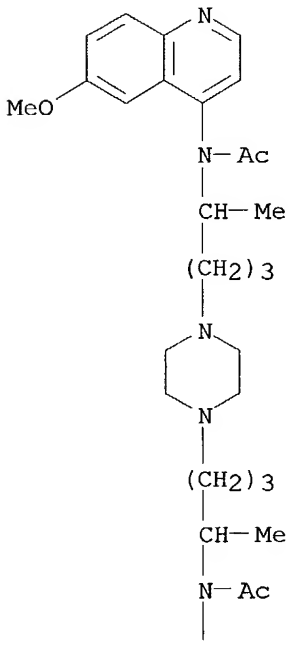

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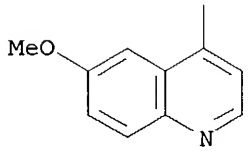
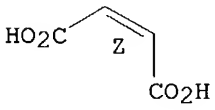


CM 2

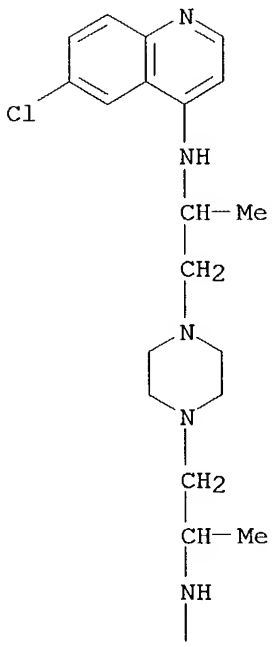
CRN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.



RN 107386-93-6 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[(6-chloro- (7CI) (CA INDEX NAME)

PAGE 1-A



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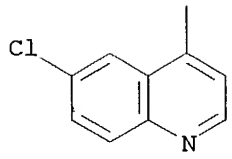
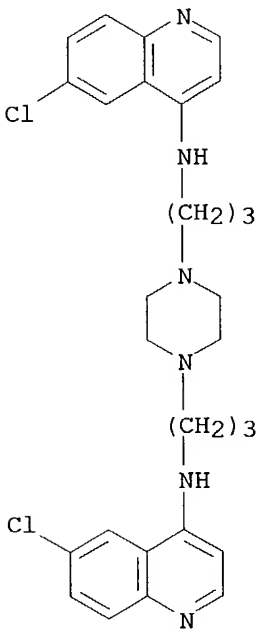


L8 ANSWER 20 OF 20 CAOLD COPYRIGHT 2004 ACS on STN
CA60:2970a 1,4-bis[(4-quinolylamino)alkyl]piperazines. Rhone-Poulenc S. A.
Patent Info.: FR CAM42

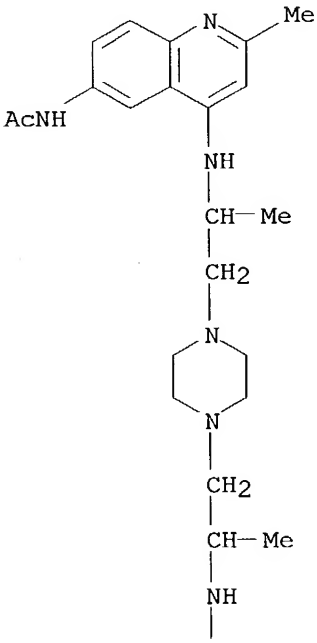
PATENT NO.	KIND	DATE
FR CAM42		

IT **103306-38-3 105255-10-5 105312-13-8**
105768-39-6 106460-39-3 107386-93-6
RN 103306-38-3 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-(7CI) (CA INDEX NAME)



RN 105255-10-5 CAOLD
CN Quinaldine, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[6-acetamido- (7CI) (CA INDEX NAME)

PAGE 1-A



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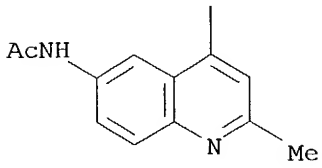

RN 105312-13-8 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methyltetramethylene)imino]]bis[6-methoxy- (7CI) (CA INDEX NAME)

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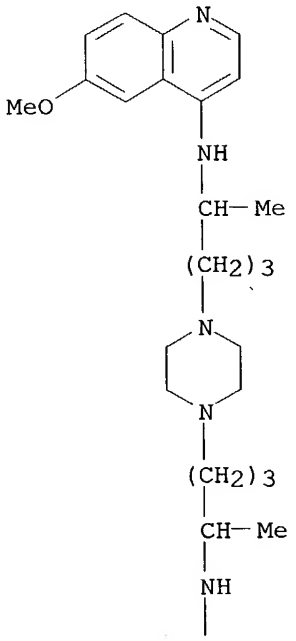

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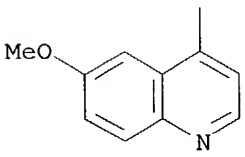

RN 105768-39-6 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-chloro-2-(p-chlorophenyl)- (7CI) (CA INDEX NAME)

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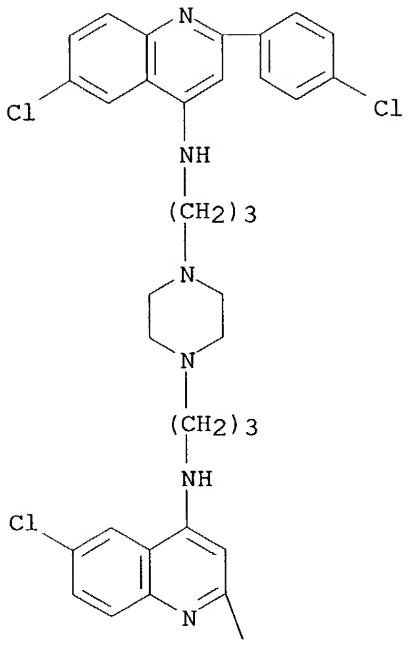

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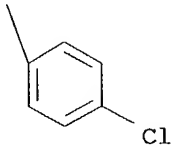
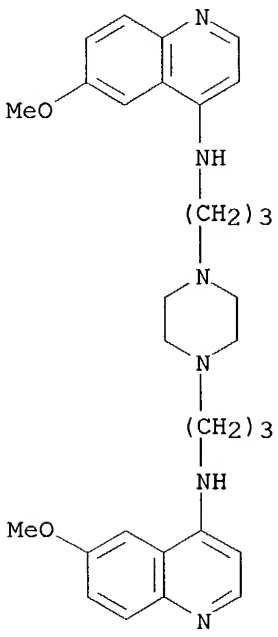
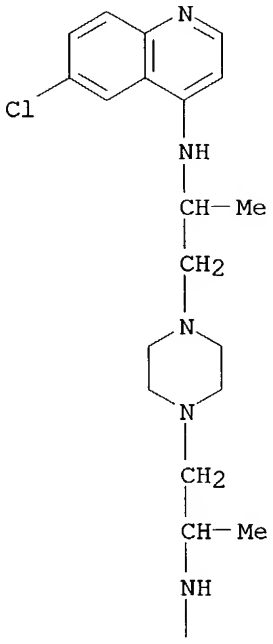


RN 106460-39-3 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis(trimethyleneimino)]bis[6-methoxy-
(7CI) (CA INDEX NAME)



RN 107386-93-6 CAOLD
CN Quinoline, 4,4'-[1,4-piperazinediylbis[(1-methylethylene)imino]]bis[(6-chloro- (7CI) (CA INDEX NAME)

PAGE 1-A



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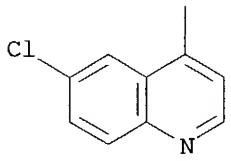

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